

In The Claims

Please amend the claims as follows:

1. (Currently amended) A mounting arrangement for at least one optical component ~~(14 to 18)~~ in a planar lightwave circuit, the arrangement ~~including~~ comprising:

[[~~-~~]] a substrate ~~(10)~~,

[[~~-~~]] an input optical fiber ~~(12)~~ associated with said substrate ~~(10)~~, and

[[~~-~~]] an output optical waveguide ~~(20)~~ ~~manufactured~~ in a given set of planar layers of said substrate ~~(10)~~, and

[[~~-~~]] said at least one optical component ~~(14 to 18)~~ ~~mounted~~ being mountable on said substrate ~~(10)~~ to transmit optical radiation from said input optical fiber ~~(12)~~ to said output optical waveguide ~~(20)~~,

~~characterized in that~~ wherein the arrangement comprises one of:

[[~~-~~]] a length of optical waveguide ~~(22)~~ ~~manufactured~~ on said substrate ~~(10)~~ in the same planar layers of said output optical waveguide ~~(20)~~, said length of optical waveguide ~~(22)~~ being interposed between said input optical fiber ~~(12)~~ and said at least one optical component ~~(14, 16, 18)~~, ~~whereby so that~~ said at least one optical component ~~(14, 16, 18)~~ ~~is~~ can be interposed between said length of optical waveguide ~~(22)~~ and said output optical waveguide ~~(20)~~, and

[[~~-~~]] a length of optical fiber ~~(24)~~ associated to said substrate ~~(10)~~ between said at least one optical component ~~(14, 16, 18)~~ and said output optical waveguide ~~(20)~~, ~~whereby so that~~ said at least one optical component ~~(14, 16, 18)~~ ~~is~~ can be interposed between said input optical fiber ~~(12)~~ and said length of optical fiber ~~(24)~~.

2. (Currently amended) The arrangement of claim 1, ~~characterized in that~~ wherein said substrate ~~(10)~~ is a silicon optical bench (SiOB) support ~~(10)~~.

3. (Currently amended) The arrangement of ~~either of claims 1 or 2,~~ characterized in that claim 1, wherein said substrate (10) ~~includes~~ comprises at least one V-groove (12a, 24a) ~~provided therein~~ for receiving at least one of said input optical fiber (12) and said length of optical fiber (24).

4. (Currently amended) The arrangement of claim 3, characterized in that wherein said the substrate (10) ~~includes~~ comprises respective V-grooves (12a, 24a) for receiving said input optical fiber (12) and said length of optical fiber (24), respectively, and ~~in that~~ said respective V-grooves (12a, 24a) have having the same geometry.

5. (Currently amended) The arrangement of claim 1, characterized in that it ~~includes~~ wherein said input optical fiber (12) is associated with said substrate (10) and said length of optical fiber (24), and ~~in that~~ wherein said input optical fiber (12) and said length of optical fiber (24) are from the same fiber batch.

6. (Currently amended) The arrangement of claim 1, characterized in that wherein said input optical fiber (12) and said length of optical fiber (24) have respective end surfaces, and ~~in that~~ said respective end surfaces are ~~provided with~~ comprising an anti-reflective coating.

7. (Currently amended) The arrangement of claim 1, characterized in that it ~~includes the~~ wherein said output optical waveguide (20) and said length of optical waveguide (22) are aligned along an input-to-output propagation path and ~~having respective end surfaces, and in that said end surfaces are offset to the perpendicular to said propagation path.~~

8. (Currently amended) The arrangement of claim 7, ~~characterized in that, wherein~~ said respective end surfaces being are offset to the perpendicular to said input-to-output propagation path, the propagation path of radiation through said at least one optical component (14, 16, 18) is at an angle with respect to said main input-to-output propagation path.

9. (Currently amended) The arrangement of ~~any of the previous claims, characterized in that~~ claim 1, wherein said at least one optical component ~~(14 to 18) includes~~ comprises an optical isolator (16) ~~interposed between associated input (14) and output (18) optical systems.~~

10. (Currently amended) The arrangement of claim 9, ~~characterized in that~~ wherein said optical isolator (16) is optimised for focused beams.

11. (Currently amended) The arrangement of ~~any of the previous claims, characterized in that~~ claim 1, wherein said at least one optical component ~~(14 to 18) includes~~ comprises an optical filter (16) ~~interposed between associated input (14) and output (18) optical systems.~~

12. (Currently amended) The arrangement of ~~any of claims 8 to 11, characterized in that~~ said the respective input and output lenses ~~(14, 18) are~~ claim 1, wherein said at least one optical component comprises at least one spherical or ball lenses lens.

13. (Currently amended) The arrangement of ~~any of the previous claims, characterized in that~~ claim 12, said optical component includes at least one spherical or ball lens (14, 18) and in that wherein said the substrate (10) ~~includes~~ comprises at least pyramidal hole (14a) for receiving said at least one spherical or ball lens (14, 18).

14. (Currently amended) The arrangement of ~~any of the previous~~
~~claims, characterized in that~~ claim 1, wherein said at least one optical
component comprises a symmetrical optical system (14, 16, 18) having an
internal image.